ECS/EMD Configuration Change Request

1. Originator	2. Log Date:	3. CCR #:	4. Rev:	5. Tel:	6. Rm #:	7. Org.
Henry Baez	02/28/2005	05-0086		301-925-1025	3108G	COTS HW

8. CCR Title: Release Portus 5.1.5 and BIND 9.2.3 for firewall servers in SMC and all DAACs

9. Originator Signature/Date	10. Class	11. Type:	12. Need Date: 3/8/2005
Henry Baez /s/ 02/24/2005	II	CCR	

13. CCR Sponsor Signature/Date	14. Category of Change:	15. Priority: (If "Emergency" fill in Block 27).
Pamela Johnson /s/ 02/24/2005	PSR	Routine

16. Documentation/Drawings Impacted (Review and submit checklist): See Below	17. Schedule Impact:	18. CI(s) Affected:

19. Release Affected by this Change:	20. Date due to Customer:	21. Estimated Cost: None - Under 100K

22. Source Reference: ☐NCR (attach) ☐Action Item ☐Tech Ref. ☐GSFC ☐Other:

23. Problem: (use additional Sheets if necessary)
The firewall vendor Portus informed us that they would stop providing fixes for current version 5.0.9 end of 2004. Portus has added to current version DAAC requested feature. Portus 5.1.5 offers new feature that offer better security and logging. Each firewall acts as named (BIND) server for the site. Portus provided the present BIND version we currently use. Portus is now shipping BIND 9.2.3 with 5.1.5. Again, security wise updating BIND is very prudent and Portus does highly recommend we upgrade to BIND 9.2.3.

24. Proposed Solution: (use additional sheets if necessary)
Install Portus and BIND in SMC and all DAACs. Three previous Portus upgrade have been very easy and had minimal impact on operations. Install can be reverse in a few minutes. New BIND will be installed in it's own directory and we have the ability to switch between versions by killing one process and staring another. There is minimal operational impact to DAACs and SMC. VATC has run under new Portus since 12/27/2004 and BIND since 1/12/2005. PVC has run under new Portus since 2/3/2005 and BIND since 2/10/2005. No reported problems to test flows.

25. Alternate Solution: (use additional sheets if necessary)
None.

26. Consequences if Change(s) are not approved: (use additional Sheets if necessary)
Active support of current version 5.0.9 is over. Number of spam email keeps going up. More sophisticated scans, probes and attacks are coming. Maintaining firewall application current is very important.

27. Justification for Emergency (If Block 15 is "Emergency"):

28. Site(s) Affected: ☐EDF ☐PVC ☐VATC ☒EDC ☒GSFC ☒LaRC ☒NSIDC ☒SMC ☐AK ☐JPL
☐EOC ☐IDG Test Cell ☐Other

29. Board Comments:	30. Work Assigned To:	31. CCR Closed Date:

32. SCDV CCB Chair (Sign/Date): Byron V. Peters /s/ 03/10/2005	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
33. EDF CCB Chair (Sign/Date):	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
34. ECS CCB Chair (Sign/Date):	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS

CM01JA00 Revised 10/2/03 ECS/EDF/SCDV

ADDITIONAL SHEET

CCR #: 05-0086   **Rev:**   **Originator:** Henry Baez

Telephone: 301-925-1025   **Office:** 3108G

Title of Change: Release Portus 5.1.5 and BIND 9.2.3 for firewall servers in SMC and all DAACs.

The following ECS Baseline Documents are Impacted:

910-TDA-003   COTS S/W Version B/L Report
910-TDA-023   Critical COTS Software List
920-TDE-002   EDC Hardware-Sotware Map
920-TDG-002   GSFC Hardware-Sotware Map
920-TDL-002   LARC Hardware-Sotware Map
920-TDN-002   NSIDC Hardware-Sotware Map
920-TDS-002   SMC Hardware-Sotware Map

Redline for all are attach.